Name:		Grade & Sec: II	Date:
Topic: Concept of Division		**Resource Person: Ms. Shabana Shofil**	

I. Read each problem carefully and draw pictures to divide the items into equal groups.

a. Divide 20 stars into 4 equal groups. How many stars are in there each group?

20 ÷ 4 = _____ stars per group

b. Divide 15 balloons into 3 equal groups. How many balloons are there in each group?

15 ÷ 3 = _____ balloons per group

II. Fill in the blanks with the correct answers.

a. 16 ÷ 4 = _____

b. 12 ÷ 3 = _____

c. 20 ÷ 5 = _____

d. 18 ÷ 6 = _____

e. 10 ÷ 10 = _____

III. Solve the following.

a. Tim has 30 toy cars. He wants to put them in 6 toy boxes. How many toy cars will be placed in each box?

30 divided by 6 = _____ toy cars per box

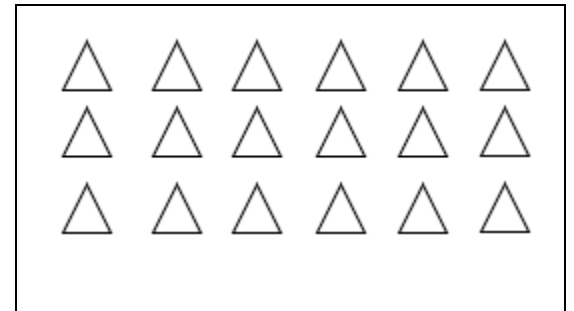b. There are 16 candies. If we put them into 4 bags, how many candies will be in each bag?

16 divided by 4 = _____ candies per bag

IV. Look at the picture given alongside and answer the question.

a. 18 triangles are divided equally into 3 groups.

Each group has _____ triangles.

18 divided by 3 equals _____.

V. You bought 10 flowers and need to make small bouquets with 2 flowers each. Illustrate the arrangement in the box given below. How many bouquets can you make?

Number of bouquets in total - _____ bouquets.

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(Affiliation No: 6630203 and School No: 90252)
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ACADEMIC YEAR 2024 - 2025

WORKSHEET	
SUBJECT: ENGLISH	**RESOURCE PERSON: Ms. Santhi Krishnan**
GRADE: VI SECTION: _____	**WORKSHEET: CH11 - WANDERING SINGERS**
DATE: NAME OF THE STUDENT: _____	

Instructions:

- Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.
- Complete the worksheet without relying on the Internet for assistance.

	SECTION - A (Reading Comprehension)
1	**Read the passage given below and answer the following questions.**
	1. The wandering singers are a group of traveling musicians who move from place to place, bringing their songs and stories to different towns and villages. They carry no home but the wide roads and no companions but the free winds. Their music is inspired by the tales of life and the emotions of people they meet during their journeys. 2. Wandering singers believe that their songs are meant for everyone. They sing of joy, sorrow, love, and courage, making every listener feel connected to the world around them. They do not seek wealth or fame but take pleasure in the happiness their music brings to others. 3. Their instruments are simple, but their melodies are rich and soulful, drawing people from far and wide. The wandering singers often gather in town squares or village markets, where they sing to crowds who listen with rapt attention. Over time, these singers have become symbols of freedom, carrying the spirit of adventure and the power of storytelling wherever they go. 4. Although their lives are full of travel and excitement, they face challenges such as unpredictable weather and long, tiring journeys. Yet, the wandering singers continue their path, driven by a love for music and a desire to spread joy wherever they go.
	Based on your understanding of the passage, answer the following questions.
I	What inspires the songs of wandering singers? a. tales of life b. emotions of people c. journey experiences d. all of the above
II	Why do wandering singers not seek wealth or fame? a. They lose their wealth easily. b. They are happy with the joy they spread. c. Their fame is temporary. d. Fame and wealth hinders their music.
III	Where do wandering singers usually perform? a. schools b. temples c. town squares

		d. near rivers
IV		What challenges do wandering singers face during their journeys?
V		How do wandering singers represent freedom and storytelling?
		SECTION - B (Grammar and Writing)
		Grammar
2		**Rewrite the following sentences by changing them from direct speech to indirect speech**
I		She said, "I am going to the market."
II		He asked, "Do you like ice cream?"
III		They said, "We will visit Paris next year."
IV		"When will the train arrive?" she asked.
V		He said, "I have finished my work."
		Writing
3A		You woke up one morning to the sound of melodious voices echoing through your town. Strangely, you realized that these songs carried stories of your own past—moments you had forgotten and secrets you thought no one knew. Determined to uncover the mystery of the wandering singers, you followed their music. Write a short story about how you felt, what you discovered about their songs, and how it changed your life forever.
		SECTION - D (Literature)
4		**Write the meaning of the word given below and use the word in a sentence.**
I		wandering
II		kindred
5		**Read the extract given below and answer the following questions.**
		"Our lays are of cities whose lustre is shed, The laughter and beauty of women long dead; The sword of old battles, the crown of old kings, And happy and simple and sorrowful things."
I		What does the poet mean by "the laughter and beauty of women long dead"?
II		What do the phrases "the sword of old battles" and "the crown of old kings" signify?
III		What does "of happy and simple and sorrowful things" convey about the singers' music?
6		**Answer the following questions in about 30 to 40 words.**
I		How does the poet describe the life of the wandering singers?
II		What is the main theme of "Wandering Singers"?
7		**Answer the following questions in about 80-100 words.**
I		What lesson can we learn from the wandering singers' way of life?

LESSON 8: PLAYING WITH CONSTRUCTIONS	
SUBJECT: MATHEMATICS	RESOURCE PERSON: MS. SMITA MENON
GRADE: VI SECTION: _____	WORKSHEET
DATE: _____	NAME OF THE STUDENT:

Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**

1.	Draw a rectangle with sides of length 5 cm and 6 cm.
2.	Construct a rectangle of 9 cm that can be divided into three identical squares.
3.	Construct a rectangle of sides 8 cm and 4 cm. Construct a square inside such that the centre of the square is the same as the centre of the rectangle.
4.	Construct a square with a hole where the centre of the hole is the same as the centre of the square.
5.	Construct a square with curves with 8 cm side lengths.
6.	Construct a rectangle in which one of the diagonals divides the opposite angles into 30° and 60°.
7.	Construct a rectangle in which one of the diagonals divides the opposite angles into 45° and 45°.
8.	Construct a rectangle one of whose sides is 5 cm and the diagonal is of 5 cm
9.	Construct a rectangle one of whose sides is 3 cm and the diagonal is of 7 cm
10.	Construct a bigger house in which all the sides are 7 cm
11.	Construct a bigger house in which all the sides are 5 cm

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LESSON 06: PERIMETER AND AREA

SUBJECT: MATHEMATICS	RESOURCE PERSON: Ms. MARZANA
GRADE: VI	REMEDIAL WORKSHEET

Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**
- **Complete the worksheet without relying on the Internet for assistance.**

1.	Find the area of the shape given below:
2.	The perimeter of a triangle is 20 cm. If the length of one side is 6 cm, calculate the sum of the other two sides.
3.	Three square-shaped tables each of side length 500cm are placed end to end to form one big rectangular table. What is the perimeter of the rectangular table formed?
4.	Complete the table given below:

Length		10 cm
Breadth	30 cm	
Area	150cm	40m

5.	Find the cost of fencing a rectangular park 115 m long and 85 m broad at the rate of ₹2 per metre.

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INDIAN SCHOOL BOUSHER/GRADE VI/DEPARTMENT OF MATHEMATICS/2024-2025

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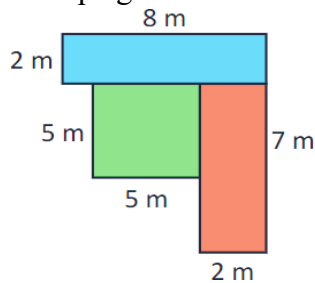|	
LESSON 07: FRACTIONS	
SUBJECT: MATHEMATICS	**RESOURCE PERSON: Ms. MARZANA**
GRADE: VI	**REMEDIAL WORKSHEET**

Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**
- **Complete the worksheet without relying on the Internet for assistance.**

1.	Malika mixes $\frac{2}{3}$ litres of yellow paint with $\frac{3}{4}$ litres of blue paint to make green paint. What is the volume of green paint he has made?
2.	Express the following fractions in lowest terms: (a) $\frac{17}{51}$ (b) $\frac{64}{144}$
3.	How many whole units are there in $\frac{8}{3}$ and $\frac{11}{5}$?
4.	Jenny's school is $\frac{7}{10}$ km from her home. She takes an auto for $\frac{1}{2}$ km from her home daily and then walks the remaining distance to reach her school. How much does she walk daily to reach the school?
5.	Jeevika takes $\frac{10}{3}$ minutes to take a complete round of the park and her friend Namit takes $\frac{13}{4}$ minutes to do the same. Who takes less time and by how much?

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INDIAN SCHOOL BOUSHER/GRADE VI/DEPARTMENT OF MATHEMATICS/2024-2025

LESSON 07: FRACTIONS

SUBJECT: MATHEMATICS	**RESOURCE PERSON: Ms. MARZANA**
GRADE: VI	**REMEDIAL WORKSHEET**

Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**
- **Complete the worksheet without relying on the Internet for assistance.**

1.	Draw a picture and write an addition statement as above to show: (a) 5 times of a roti (b) 9 times of a roti
2.	Figure out the number of whole units in each of the following fractions: (a) $\dfrac{11}{3}$ (b) $\dfrac{64}{5}$
3.	How many pieces of length $\dfrac{1}{8}$ will make a length of $\dfrac{1}{2}$?
4.	Add the following fractions: (a) $\dfrac{2}{7} + \dfrac{3}{8}$ (b) $\dfrac{3}{5} + \dfrac{2}{15} + \dfrac{9}{30}$
5.	Subtract as indicated: (a) $\dfrac{13}{4}$ from $\dfrac{10}{3}$ (b) $\dfrac{18}{5}$ from $\dfrac{23}{3}$

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ACADEMIC YEAR 2024 - 2025

WORKSHEET	
SUBJECT: ENGLISH	**RESOURCE PERSON: Ms. Reshma Stephen**
GRADE: VI SECTION: _____	**WORKSHEET: CH12- At Tagore's Shantiniketan**
DATE: 13.01.2025 NAME OF THE STUDENT: _____	

Instructions:
- Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.
- Complete the worksheet without relying on the Internet for assistance.

	SECTION - A (Reading Comprehension)
1	**Read the passage given below and answer the following questions.**
	Shantiniketan
	1. Shantiniketan, meaning "Abode of Peace," is a small town near Bolpur in the Birbhum district of West Bengal, India. It was established by Maharshi Debendranath Tagore, the father of Rabindranath Tagore, in 1863. Later, Rabindranath Tagore expanded it into a world-renowned university called Visva-Bharati in 1921.
	2. The place is celebrated for its unique educational approach, which emphasizes learning in harmony with nature. Classes are often held outdoors under the shade of trees, encouraging a bond with the environment. Shantiniketan's curriculum integrates art, music, and literature, fostering creativity and holistic development.
	3. Apart from education, Shantiniketan is also famous for its vibrant cultural festivals. The Poush Mela, held in December, attracts thousands of visitors with its traditional crafts, folk music, and dance performances. Another major festival is the Basanta Utsav, or spring festival, where people celebrate Holi with colors, songs, and dances.
	4. Shantiniketan has become a symbol of artistic expression and cultural exchange. It attracts scholars, artists, and students from around the world, who come to experience its peaceful atmosphere and rich heritage. Today, it remains a testament to Rabindranath Tagore's vision of education that transcends boundaries.
	Based on your understanding of the passage, answer the following questions.
I	When was Visva-Bharati University founded? a) 1863 b) 1921 c) 1947 d) 1950
II	What does the name Shantiniketan mean?
III	Who established Shantiniketan? a) Rabindranath Tagore b) Maharshi Debendranath Tagore c) Visva-Bharati University d) None of the above
IV	Why is Shantiniketan considered a symbol of cultural exchange?
V	Which festival is celebrated as the spring festival in Shantiniketan? a) Poush Mela b) Basanta Utsav c) Durga Puja d) Diwali

		SECTION - B (Grammar and Writing)
		Grammar
2		**Complete the following tasks as directed.**
I		**Identify the subject and predicate in the given sentence.**
		The bright sun shone through the window.
II		**Convert the given sentence into interrogative sentence.**
		She is a good dancer.
III		**Convert the given sentence into declarative sentence.**
		What an exciting game it was!
IV		**Convert the given sentence into imperative sentence.**
		You should speak politely to others.
V		**Identify the subject and predicate in the given sentence.**
		The children played happily in the park.
VI		**Convert the given sentence into declarative sentence.**
		Did he complete his homework?
VII		**Convert the given sentence into interrogative sentence.**
		He knows the answer to the question.
VIII		**Identify the subject and predicate in the given sentence.**
		The old man walked slowly along the path.
IX		**Convert the given sentence into exclamatory sentence.**
		The view from the mountain is beautiful.
X		**Convert the given sentence into interrogative sentence.**
		Her English textbook is missing.
		Writing
3A		**Write a story using the given prompt as the first line of your story.**
		The wind swirled around me and the word went back……….
3B		**Complete the story using the given prompt.**
		She said she could talk to animals – but only when there is a thunderstorm.
		SECTION - D (Literature)
4		**Write the meanings of the words given below and use each word in a sentence.**
I		inhabited
II		dacoit
III		ashram
IV		laburnums
V		tuk- tuk
5		**Answer the following questions in about 30 to 40 words.**
I		How did Shantiniketan differ from traditional schools?
II		How does Shantiniketan emphasize Indian culture?
III		How are Baul singers connected to Shantiniketan?
6		**Answer the following questions in about 80-100 words.**
I		Explain how Shantiniketan promoted competence in creative expression.
II		State the role that art and culture played in Shantiniketan.

INDIAN SCHOOL BOUSHER/GRADE VII/DEPARTMENT OF ENGLISH/2024-2025

क्रिया विशेषण	
SUBJECT: HINDI (2nd Language)	**RESOURCE PERSON: MS PRIYANKA**
GRADE: VI	**WORKSHEET -12**
DATE: _____2024 NAME OF THE STUDENT: _____	**SECTION: _____**

1. निम्नलिखित वाक्यों में क्रिया विशेषणों को रेखांकित कीजिए।

(क) वह सवेरे चला जाएगा।

(ख) चुपचाप काम करते रहो।

(ग) हमें प्रतिदिन व्यायाम करना चाहिए।

(घ) सामने क्यों चल रहे हो?

(ङ) वह पुस्तक हाथों-हाथ बिक गई।

(च) मैं प्रात:काल व्यायाम करता हूँ।

(छ) भीतर जाकर पढ़ो।

(ज) चाय में दूध ज़्यादा और चीनी कम है।

(झ) दिन धीरे-धीरे ढलता है।

2. नीचे लिखे वाक्यों में क्रिया विशेषण अव्यय पहचानकर, भेद का नाम लिखिए।

क) समय जल्दी-जल्दी बीत रहा है।   _____

ख) यहाँ-वहाँ क्यों घूम रहे हो?   _____

ग) जितना परिश्रम करोगे, उतनी ही सफलता पाओगे।   _____

घ) वह अचानक रो पड़ा ।   _____

ङ) आप उधर बैठ जाइए ।   _____

च) वे जल्द ही यहाँ पहुँचेंगे ।   _____

छ) दौड़ में एथलीट तेज़ी से दौड़ा ।   _____

झ) आज किधर घूमने जाना है?   _____

3. निम्नलिखित वाक्यों को उचित क्रिया विशेषण अव्ययों से पूरा कीजिए।

क) समय _____बीत रहा है।

ख) वह _____सबकी मदद करता है।

ग) अब _____आराम कर लो ।

घ) कछुआ _____चलता है ।

ङ) वे बच्चे _____अच्छा क्रिकेट खेलते है।

च) माताजी स्वेटर _____ रही है ।

छ) वह _____ पूजा करता है ।

4. निम्नलिखित क्रिया विशेषणों से वाक्य बनाइए।

क) ज़्यादा - _____

ख) लगभग - _____

ग) सवेरे - _____

क्रिया	
SUBJECT: HINDI (2ⁿᵈ Language)	**RESOURCE PERSON: MS PRIYANKA**
GRADE: VI	**WORKSHEET -11**
DATE: _____2024 NAME OF THE STUDENT: _____	**SECTION: _____**

1. निम्नलिखित वाक्यों में क्रिया के भेदों को पहचानकर, उनके नाम लिखिए ।

क) श्याम पुस्तक पढ़ता है।

_____

ख) शीला हँसती है।

_____

ग) रामू चित्र बना रहा है।

_____

घ) सूरज निकला।

_____

ड.) नेहा चित्र देख रही है।

_____

च) बारिश हो रही है।

_____

2. कोष्टक में दी गई क्रियाओं के सही रूप से निम्नलिखित वाक्यों को पूरा कीजिए।

क) मुझे एक पेंसिल ——————— ।   (चाहना)

ख) सोनम पाठशाला ——————— है।   (जाना)

ग) किसान ट्रैक्टर ——————— रहा था।   (चलाना)

घ) सबने मिलकर भोजन ——————— ।   (करना)

ङ) गिलहरियाँ पेड़ों पर ——————— हैं।   (फुदकना)
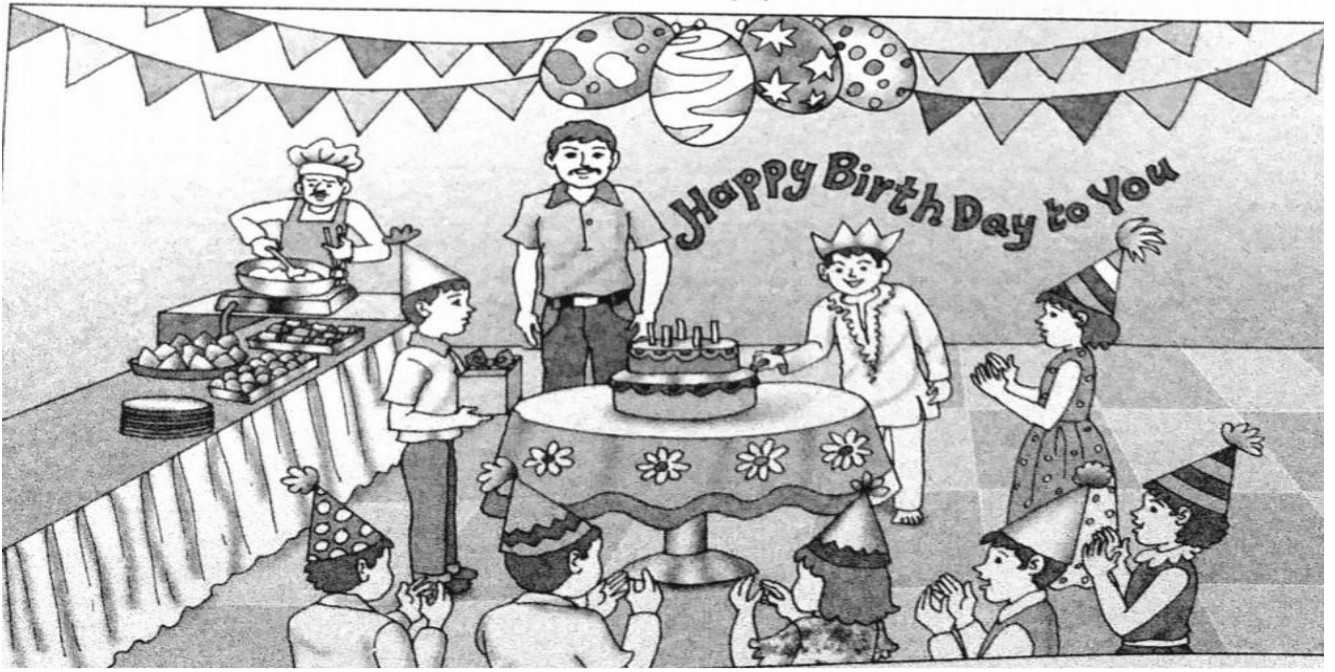
3. नीचे दिए गए गद्यांश में से क्रिया शब्दों को चुनकर लिखिए।

एक दिन गोपू ने अपने दोस्तों को बताया, "मैं एक दिन सबसे तेज़ दौड़ने वाला गधा बनूँगा।" उसके दोस्तों ने हँसते हुए कहा, "तुम? तुम तो इतने मोटे हो !" गोपू ने कहा, "देखो, मैं अपना सपना पूरा करके रहूँगा।" फिर गोपू ने प्रतिदिन अभ्यास करना शुरू किया और अंत में सफल भी हुआ।

_____

_____

4. नीचे दिए गए चित्र का 5 से 6 वाक्यों में वर्णन कर, क्रिया शब्द को रेखांकित कीजिए।

_____

_____

_____

_____

_____

5. सही उत्तर चुनिए।

क) आयूष होमवर्क कर रहा है।

1) अकर्मक क्रिया   2) सकर्मक क्रिया

ख) माली पौधों में खाद डाल रहा है।

1) अकर्मक क्रिया   2) सकर्मक क्रिया

ग) राधिका सोने जा रही है।

1) अकर्मक क्रिया   2) सकर्मक क्रिया

उत्तर- क) _____ ख) _____ ग) _____

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ACADEMIC YEAR 2024 - 2025

WORKSHEET	
SUBJECT: ENGLISH	**RESOURCE PERSON: Dr. Smitha**
GRADE: VI SECTION: _____	**WORKSHEET: CH 13 – The Heart of the Tree**
DATE: NAME OF THE STUDENT: _____	

Instructions:

- Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.
- Complete the worksheet without relying on the Internet for assistance.

	SECTION - A (Reading Comprehension)
1	**Read the passage given below and answer the following questions.**
	1. Indian Space Research Organisation (ISRO) is the space agency of the Government of India headquartered in the city of Bangalore. Its vision is to "harness space technology for national development while pursuing space science research and planetary exploration."
	2. Formed in 1969, ISRO superseded the erstwhile Indian National Committee for Space Research (INCOSPAR) established in 1962 by the efforts of independent India's first Prime Minister, Jawaharlal Nehru, and his close aide and scientist Vikram Sarabhai. The establishment of ISRO thus institutionalized space activities in India. It is managed by the Department of Space, which reports to the Prime Minister of India.
	3. ISRO built India's first satellite, Aryabhatta, which was launched by the Soviet Union on 19 April 1975. It was named after the Mathematician Aryabhatta. In 1980, Rohini became the first satellite to be placed in orbit by an Indian-made launch vehicle, SLV-3. ISRO subsequently developed two other rockets: the Polar Satellite Launch Vehicle (PSLV) for launching satellites into polar orbits and the Geosynchronous Satellite Launch Vehicle (GSLV) for placing satellites into geostationary orbits. These rockets have launched numerous communications satellites and earth observation satellites. Satellite navigation systems like GAGAN and IRNSS have been deployed. In January 2014, ISRO successfully used an indigenous cryogenic engine in a GSLV-D5 launch of the GSAT-14.
	4. ISRO sent a lunar orbiter, Chandrayaan-1, on 22 October 2008 and a Mars orbiter, Mars Orbiter Mission (MOM), on 5 November 2013, which successfully entered Mars orbit on 24 September 2014, making India the first nation to succeed on its first attempt to Mars, and ISRO the fourth space agency in the world as well as the first space agency in Asia to successfully reach Mars orbit. On 18 June 2016, ISRO successfully set a record with a launch of 20 satellites in a single payload, one being a satellite from Google. On 15 February 2017, ISRO launched 104 satellites in a single rocket (PSLV-C37) and created a world record. ISRO launched its heaviest rocket, Geosynchronous Satellite Launch Vehicle-Mark III (GSLV-Mk III), on 5 June 2017 and placed a communications satellite GSAT-19 in orbit. With this launch, ISRO became capable of launching 4 ton heavy satellites.

	Based on your understanding of the passage, answer the following questions.
I	Is ISRO a private organization?
	a. No, it is a government organization.
	b. Yes, it is a private organization.
	c. It used to be a government organization but not anymore.
	d. It is a non-functional entity.
II	The ISRO only launches other nations' satellites?
	a. Yes, it generates revenue through launching foreign satellites only.
	b. No, it is involved in space and planetary exploration.
	c. It deals with geographical spaces on earth.
	d. It searches for aliens.
III	India still uses foreign-made satellite launch vehicles?
	a. No, it has its own satellite launch vehicles.
	b. Yes.
	c. Only India's first satellite, Aryabhatta, was launched by the Soviet Union.
	d. None of the above
IV	From the third paragraph, choose a word which is close in meaning to 'assistant':
	a. scientist b. aide c. independent d. institutionalized
V	Who was Aryabhatta, according to the third paragraph?
	a. a scientist
	b. a mathematician
	c. India's prime minister
	d. the head of ISRO
	SECTION - B (Writing)
2	Write a story about someone who transforms their barren village into a green haven by planting trees, inspired by the values in 'The Heart of the Tree'.
	SECTION C (Grammar)
3	**Rewrite the sentences in the future tense:**
I	She studies French every day.
II	They are playing football in the park.
III	I completed my project yesterday.
IV	We eat dinner together every night.
V	He is working on the report now.
4	**Correct the mistakes in the sentences.**
I	She will be finish her homework before dinner.
II	By the time he will arrive, we will leave.
III	They will working on the project tomorrow.
IV	He will has completed the report by Friday.
V	I will be read this book by next week.
	SECTION - D (Literature)
5	**Read the extract and answer the questions given below.**
	"He plants a home to heaven anigh; **For song and mother-croon of bird** **In hushed and happy twilight heard—** **The treble of heaven's harmony."**

I	According to these lines, what does a person who plants a tree actually do?
II	What do the lines mean?
III	He plants a home to heaven anigh. What do the words 'heaven anigh' and 'heaven's harmony' convey?
6	**Answer the following questions in 30 to 40 words.**
I	How do trees help mankind?
II	How does planting a tree express the 'thought of civic good'?
III	What is known as mother-croon of bird? Why is the song sung in a hushed voice?

INDIAN SCHOOL BOUSHER

Affiliation No: 6630203 and School No: 90252

ACADEMIC YEAR 2024 – 2025
SYLLABUS FOR FINAL EXAMINATION
GRADE II

Date: 02/02/2025

SUBJECT	PORTION
English	**Unit 4** • Chapter 4 – The Smart Monkey **Unit 5** • Chapter 1 – Little Drops of Water • Chapter 2 – We are all Indians **Grammar** • Articles (a & an) • Conjunctions (and & but) • Adjectives • Tenses (simple present) • Reading Comprehension • Picture Description • Letter Writing (informal)
Mathematics	• Chapter 6 – Addition and Subtraction of Higher Numbers • Chapter 11 – Measurement • Chapter 12 – Data Handling • Chapter 13 – Concept of Division
Science	• Chapter 1 – Types of Plants • Chapter 10 – Air around Us • Chapter 11 – Water • Chapter 12 – The Water Cycle
Hindi	• दिनों के नाम • महीनों के नाम • समान अर्थ वाले शब्द • उलटे अर्थ वाले शब्द • एक - अनेक

	• **लड़का-लड़की** • **चंदा मामा** • **तैरूँ या ऊड़ूँ** • **बात सुबह की** • **आओ पेड़ लगाएँ(Textbook Page No 75)**
French	• Chapter 7 – C'est le week-end! • Chapter 8 – Une sortie entre amis • Chapter 9 – Où habites-tu? • Chapter 10 – La famille d'Alain
Malayalam	• പാഠം 11 - കാക്കക്കുയിലേ • പാഠം 14 - അണ്ണാനും ചെന്നായും • പാഠം 15 - മുടന്തൻ ആട്
Arabic	• الدرس ١٠ : ق ك • الدرس ١١ : ل م • الدرس ١٢ : ن ه • الدرس ١٣ : و ي
Tamil	• CHAPTER 19 - சிறிய உருவம்! பெரிய உலகம்! • CHAPTER 20 - நாங்கள் நண்பர்கள் • CHAPTER 21 - வண்ணம் தொட்டு... • CHAPTER 22 - அன்றும்... இன்றும்... • CHAPTER 24 - கொன்றை வேந்தன்

LESSON 6: PERIMETER AND AREA

SUBJECT: MATHEMATICS	RESOURCE PERSON: MR. HARISH K
GRADE: VI SECTION: _____	WORKSHEET
DATE: _____ NAME OF THE STUDENT:	
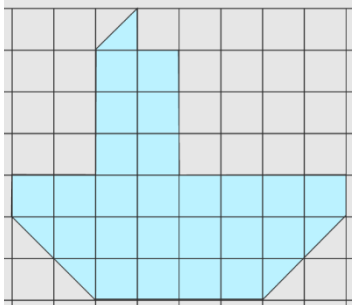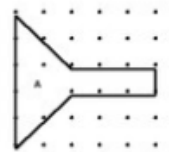
Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**
- **Complete the worksheet without relying on the Internet for assistance.**

I.	**Choose the correct answers.**
1.	The perimeter of a square is $36\ cm$. Its side length is: (a) $8\ cm$ (b) $9\ cm$ (c) $12\ cm$ (d) $6\ cm$
2.	A rectangle has length $8\ cm$ and breadth $5\ cm$. Its area is: (a) $26\ sq.cm$ (b) $40\ sq.cm$ (c) $13\ sq.cm$ (d) $28\ sq.cm$
3.	The area of a square with side $6\ cm$ is: (a) $24\ sq.cm$ (b) $36\ sq.cm$ (c) $12\ sq.cm$ (d) $30\ sq.cm$
4.	If the perimeter of a rectangle is $30\ cm$ and its length is $8\ cm$, its breadth is: (a) $8\ cm$ (b) $15\ cm$ (c) $22\ cm$ (d) $7\ cm$
5.	A rectangular floor is $15\ m$ long and $12\ m$ wide. The cost of tiling it at ₹ 50 per $sq.cm$ is: (a) ₹ 9000 (b) ₹ 8000 (c) ₹ 7500 (d) ₹ 9500
6.	The perimeter of an equilateral triangle with side 9 cm is: (a) $18\ cm$ (b) $27\ cm$ (c) $14\ cm$ (d) $21\ cm$
7.	If a rectangular paper of dimensions 14 cm × 10 cm is cut exactly in half, the perimeter of each piece will be: (a) $48\ cm$ (b) $24\ cm$ (c) $38\ cm$ (d) $28\ cm$
8.	The area of a square is 81 sq cm. Its perimeter is: (a) $36\ cm$ (b) $40\ cm$ (c) $32\ cm$ (d) $38\ cm$

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II.	**ASSERTION-REASON QUESTIONS:**
9.	**Assertion (A):** The perimeter of a square is always four times its side length. **Reason (R):** All sides of a square are equal. (a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion. (b) Both Assertion and Reason are true, and Reason is not the correct explanation of Assertion. (c) Assertion is true, but Reason is false. (d) Assertion is false, but Reason is true.
10.	**Assertion (A):** Two rectangles with the same perimeter can have different areas. **Reason (R):** Area depends on the product of length and breadth while perimeter depends on their sum. (a) Both Assertion and Reason are true, and Reason is the correct explanation of Assertion. (b) Both Assertion and Reason are true, and Reason is not the correct explanation of Assertion. (c) Assertion is true, but Reason is false. (d) Assertion is false, but Reason is true.
III.	**Do as directed.**
11.	A rectangular garden is 30 m long and 20 m wide. Find: a) Its perimeter b) The cost of fencing it at ₹ 25 per meter.
12.	A square and a rectangle have the same perimeter of 40 cm. If the rectangle's length is 12 cm and breadth is 8 cm, find the side of the square.
13.	The area of a rectangular field is $480 \, sq.\,m$ and its length is 24 m. Find its breadth and perimeter.
14.	Find the area of the following figure.

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15.	A rectangular sheet of paper has length 12 cm and width 8 cm. It is folded exactly in half along its length. Find: a) The perimeter of the original sheet b) The perimeter of the folded sheet. c) Show how the two perimeters are related.	
16.	If the perimeter of an equilateral triangle is 33 cm, find its side length.	
17.	Find the perimeter of the following figure in $(s + d)$ units.	
18.	A square of side 2 cm is cut from each corner of a rectangle which is 12 cm long and 4 cm wide. Find: a) The perimeter of the original rectangle. b) The perimeter of the new shape after cutting.	
19.	A wire is bent to form a square of side 8 cm. The same wire is then bent to form an equilateral triangle. Find: a) The perimeter of the square b) The side length of the equilateral triangle	
20.	A rectangular garden has a length that is twice its width. If the perimeter of the garden is 48 meters, find: a) The length and width of the garden. b) The area of the garden.	
21.	A rectangular path 2 m wide runs around a rectangular field of length 40 m and breadth 30 m. Find: a) Area of the field b) Area of the path c) Cost of cementing the path at ₹125 per $sq.\,m$	
22.	Four square flower beds of side 2 m each are made in the corners of a rectangular garden 12 m long and 8 m wide. Find: a) Area of each flower bed b) Area of the remaining garden c) Cost of planting grass in the remaining area at ₹50 per sq m	
IV.	**Long answer type questions**	
23.	A wire of length 40 cm is first bent into a square shape and then into a rectangle of length 12 cm. Find: a) Side of the square	

	b) Breadth of the rectangle
24.	A rectangular piece of cloth 2 m long and 1.5 m wide is cut from a rectangular sheet of dimensions 6 m × 4 m. a) Find the area of the remaining sheet b) Find the perimeter of the remaining sheet c) If the cloth costs ₹100 per $sq.m$, what is the value of the cut piece?
V.	**Case-based question.**
25.	Ravi is designing a swimming pool in his backyard. The pool is rectangular with length 15 m and breadth 10 m. A 2 m wide walking path is to be constructed around the pool. a) What is the area of the pool? b) What is the perimeter of the pool? c) If tiling the path costs ₹250 per $sq.m$, what will be the total cost?
26.	A school wants to create a play area with a square sandpit in one corner. The play area is rectangular with length 25 m and width 15 m. The square sandpit has a side of 5 m. a) Find the area of the entire play area b) Find the area of the sandpit

VI.	**Challenge Corner:**
27.	Find the areas of the rooms where the dimensions are given,

Closet

Bathroom

Closet

Closet

Bedroom 2
15Ft x 15Ft

Bedroom 1
18Ft x 18Ft

Closet

Living Room
20Ft x 20Ft

Dining Room
12Ft x 12Ft

Kitchen
10Ft x 10Ft

Front
Porch

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LESSON 06: PERIMETER AND AREA

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SUBJECT: MATHEMATICS	**RESOURCE PERSON: Ms. MARZANA**
GRADE: VI	**REMEDIAL WORKSHEET**

Instruction:
- **Write your answers neatly on an A4 sheet of paper and ensure that your completed worksheet is submitted on time.**
- **Complete the worksheet without relying on the Internet for assistance.**

1.	The length of a rectangular field is twice its breadth. Jamal jogged around it and covered a distance of 6 km. What is the length of the field in metres?
2.	A rectangle and a square have the same perimeter of 100 cm. Find the side of the square. If the rectangle has a breadth 2 cm less than the side of the square. Find the breadth, length, and area of the rectangle.
3.	A rectangular park is 30 metres long and 20 metres broad. A steel wire fence is put up all around it. Find the cost of putting the fence at the rate of ₹15 per metre.
4.	**Case Study:** The International Federation of Association Football (FIFA) is responsible for the organization and promotion of association football's major international tournaments. FIFA issues guidelines for the dimensions of football fields. The figure below shows the maximum and minimum lengths and widths of a football field. Maximum 120 m Minimum 90 m Maximum 90 m Minimum 45 m
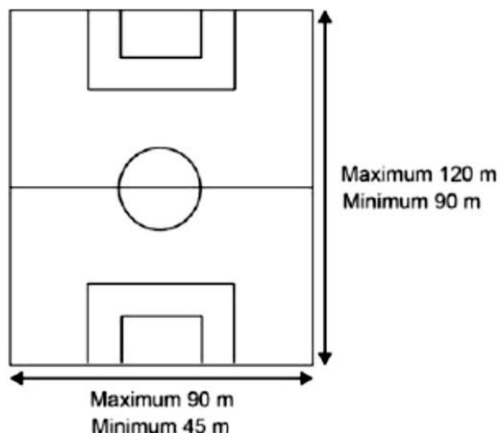
	1. What is the maximum area (in m²) of the football field?
	   a) 30
	   b) 420
	   c) 1080
	   d) 10,800
	2. What can be the minimum perimeter (in m) of the football field?
	   a) 90 m
	   b) 135 m
	   c) 270 m
	   d) 4050 m

5.	How many tiles whose length and breadth are 13 cm and 7 cm respectively are needed to cover a rectangular region whose length and breadth are 520 cm and 140 cm?

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